HazMat 38-07
Revised 4/10

Public Protection Cabinet
Department of Housing, Buildings and Construction
Division of Fire Prevention: Hazardous Materials Section
101 Sea Hero Road, Suite 100
Frankfort, Kentucky 40601-5405
Telephone: (502) 573-1702 Fax: (502) 573-1695

PERMIT APPLICATION TO INSTALL ABOVEGROUND STORAGE TANKS (AGST) FOR PETROLEUM PRODUCTS OR HAZARDOUS SUBSTANCE

For Office Use Only

Permit No.: _____ **Approved By:** _____
Amount Paid: _____ **Date Approved:** _____

Installation Site

_____
NAME OF BUSINESS/COMPANY (D/B/A)

_____
STREET ADDRESS

_____
CITY STATE ZIP CODE

( ) _____
TELEPHONE NUMBER COUNTY

Owner of Tanks

_____
OWNER/OPERATOR/COMPANY NAME

_____
STREET ADDRESS

_____
CITY STATE ZIP CODE

( ) _____
TELEPHONE NUMBER COUNTY

Installation Contractor

_____
COMPANY NAME

_____
STREET ADDRESS

_____
CITY STATE ZIP CODE

( ) _____
TELEPHONE NUMBER

Type of Facility

☐ Commercial ☐ Private Use ☐ Government

☐ Heating Oil ☐ Bulk Plant

☐ AGST for Emergency Generator

☐ Other (Specify): _____

Kentucky UNBRIDLED SPIRIT

Installation To Be Completed Pursuant to Requested Permit (check all that apply):

☐ New Site ☐ Addition Of tank(s) at existing site ☐ Repair (Tank / Piping)
☐ Reconfiguration of existing piping ☐ Replacement of an existing tank ☐ Other (Specify):_____

Tank Type Codes:

01 UL 142	04 ASME	07 API 12D	10 Sti 921
02 UL 80	05 API 650	08 API 12F	11 Other
03 UL 2085	06 API 12B	09 DOT	

1. Tank Information -

NOTE: ***Tank numbers shall correspond with the tank numbers on the accompanying site plan.***

TANK #1: ☐ GAL ☐ BBL

CAPACITY (GALLONS) | TANK TYPE CODE | APPROXIMATE AGE OF TANKS

PRODUCT STORED

☐ Vertical ☐ Horizontal ☐ Compartmented

TANK #2: ☐ GAL ☐ BBL

CAPACITY (GALLONS) | TANK TYPE CODE | APPROXIMATE AGE OF TANKS

PRODUCT STORED

☐ Vertical ☐ Horizontal ☐ Compartmented

TANK #3: ☐ GAL ☐ BBL

CAPACITY (GALLONS) | TANK TYPE CODE | APPROXIMATE AGE OF TANKS

PRODUCT STORED

☐ Vertical ☐ Horizontal ☐ Compartmented

Tank Information ***(Continued)***

TANK #4: ☐ GAL ☐ BBL

CAPACITY (GALLONS) | TANK TYPE CODE | APPROXIMATE AGE OF TANKS

PRODUCT STORED

☐ Vertical ☐ Horizontal ☐ Compartmented

TANK #5: ☐ GAL ☐ BBL

CAPACITY (GALLONS) | TANK TYPE CODE | APPROXIMATE AGE OF TANKS

PRODUCT STORED

☐ Vertical ☐ Horizontal ☐ Compartmented

TANK #6: ☐ GAL ☐ BBL

CAPACITY (GALLONS) | TANK TYPE CODE | APPROXIMATE AGE OF TANKS

PRODUCT STORED

☐ Vertical ☐ Horizontal ☐ Compartmented

Material safety data sheets shall accompany application if the products to be stored are other than gasoline, diesel fuel, fuel oil, kerosene or lubricating oils.

a) From the tanks, what are the distances to nearest important buildings? _____ feet

b) From the tanks, what are the distances to property lines? _____ feet

c) Will the tanks be near any L.P. containers? ☐ Yes ☐ No

If yes, how far away will they be? _____ feet

d) What type of spillage control facilities will be used?
☐ Dike ☐ Double -wall Tank ☐ Remote Impoundment

e) What will be the capacity of the spillage control facilities? _____ gallons

Tank Information ***(Continued)***

f) Identify the dimensions of each tank.

_____ . _____ ft. LENGTH/HEIGHT TANK #1	x	_____ . _____ ft. DIAMETER		_____ . _____ ft. LENGTH/HEIGHT TANK #2	x	_____ . _____ ft. DIAMETER	
_____ . _____ ft. LENGTH/HEIGHT TANK #3	x	_____ . _____ ft. DIAMETER		_____ . _____ ft. LENGTH/HEIGHT TANK #4	x	_____ . _____ ft. DIAMETER	
_____ . _____ ft. LENGTH/HEIGHT TANK #5	x	_____ . _____ ft. DIAMETER		_____ . _____ ft. LENGTH/HEIGHT TANK #6	x	_____ . _____ ft. DIAMETER	

g) Identify the fill connection diameter be for each tank (in inches).

TANK #1	TANK #2	TANK #3	TANK #4	TANK #5	TANK #6

h) Identify the diameters of the working vents (in inches).

TANK #1	TANK #2	TANK #3	TANK #4	TANK #5	TANK #6

i) Identify the diameters of emergency vents - if present (in inches).

TANK #1	TANK #2	TANK #3	TANK #4	TANK #5	TANK #6

If the tanks do not have emergency vents, are they designed with a weak roof to shell seam?
☐ Yes ☐ No

j) Will a valve be installed as close to the tank as practical if a connection is made to the liquid area of the tank? ☐ Yes ☐ No

k) If Class I liquids are to be stored, will the vent pipe outlets be at least twelve (12) feet above adjacent ground level? ☐ Yes ☐ No

l) If Class IA liquids are being stored, will the tanks be equipped with pressure/vacuum venting devices? ☐ Yes ☐ No

m) If the liquid being stored is other than a Class I liquid, will the vent pipe outlet be above the fill connection? ☐ Yes ☐ No

n) If the tank is double or vaulted, will overfill prevention be provided? ☐ Yes ☐ No

o) If the liquid being stored is a Class I or Class II liquid, will the fill connection terminate within six (6) inches of the tank bottom? ☐ Yes ☐ No

p) Are ***"no smoking"*** signs to be provided in the area of the tanks? ☐ Yes ☐ No

q) If the tanks are located at a public facility or remote location, will they be enclosed in a chain link fence at least six (6) feet high? ☐ Yes ☐ No

Tank Information ***(Continued)***

r) Will the tank outlets be equipped with some sort of anti-siphon device located as close as practical to the tank? ☐ Yes ☐ No

s) If the storage tank supplies a day tank, will the day tank be provided with return piping that is a continuous run without traps or sags and that is of a larger diameter than the supply piping? ☐ Yes ☐ No

t) If the fill connection point is other than at tank top, will a check valve be provided to prevent back-flow from the system? ☐ Yes ☐ No

u) Will the tanks be protected from vehicular damage if placed in a traffic area? ☐ Yes ☐ No

2. Aboveground Piping

a) Will the aboveground piping be substantially supported and protected against physical damage and excessive stresses? ☐ Yes ☐ No

b) Will the aboveground piping be provided with pressure relief devices that discharge to a suitable location? ☐ Yes ☐ No

c) Will the aboveground piping meet the requirements of ANSI B31, American National Standard Code for Pressure Piping? ☐ Yes ☐ No

d) Will there be a tank top dispenser on the aboveground storage tank? If no, piping plan review fee of $100 is not required. ☐ Yes ☐ No

3. Underground Piping

Underground piping on an aboveground storage tank shall be permitted to and installed by only Kentucky certified UPST Contractors.

CERTIFIED UPST COMPANY _____

NAME OF UPST INDIVIDUAL _____

UPST CERTIFICATION # _____ **EXPIRATION DATE** _____

STREET ADDRESS _____

CITY, STATE & ZIP CODE _____

BUSINESS TELEPHONE # (_____)_____ **FAX #** (_____)_____

a) Delivery Method: ☐ Pressurized ☐ Suction

b) Type: ☐ Steel ☐ FRP ☐ Approved Non-Metallic

c) Will FRP and non-metallic piping be listed for use with alcohols and other oxygenated fuels? ☐ Yes ☐ No

d) Will flexible connections be provided at every change of direction from the vertical to the horizontal, and vice versa? ☐ Yes ☐ No

e) Type of flexible connections: ☐ Swing Joints ☐ Approved Flexible Connectors

Underground Piping (Continued)

f) Depth of piping: _____ inches

g) Is secondary containment provided for product piping? ☐ Yes ☐ No

h) Will pipe sealant be compatible with product to be used? ☐ Yes ☐ No

i) Indicate type of bedding and backfill around piping: ☐ Sand ☐ Pea Gravel ☐ Crushed Rock

j) Non-metallic piping to be properly installed per manufacturer's specifications: ☐ Yes ☐ No

k) Type of steel pipe used: ☐ Galvanized ☐ Black

l) Indicate degree of slope on piping (inches per foot): ☐ Level or ☐ ⅛ ☐ ¼ ☐ ½

m) If suction piping is used, indicate location of check valve: ☐ Tank ☐ Pump/Dispenser

n) If pressurized pipe is used, will approved leak detectors be used: ☐ Yes ☐ No
Type: ☐ Mechanical ☐ Electronic

o) Indicate method of cathodic protection for steel piping: ☐ Anode ☐ Impressed Current

p) Indicate method of sacrificial anode attachment to piping:
☐ Cadweld ☐ Thermite Weld ☐ Mechanical Clamp

q) Steel pipe to be used for product lines: ☐ Schedule 40 ☐ Schedule 80

r) Steel couplings for product lines will be: ☐ Schedule 40 ☐ Schedule 80

s) Method of leak detection for piping: ☐ Tightness Testing
☐ Ground Water Monitoring ☐ Vapor Monitoring ☐ Interstitial Monitoring

4. Pumps/Dispensers

a) In relation to the tanks, pump/dispensers shall be located: ☐ Tank Top
☐ 5 to 49 Feet ☐ 50 Feet and Greater ☐ Directly Adjacent to the Dike Wall

b) Will all dispensers be at least:
Twenty (20) feet from fixed source of ignition? ☐ Yes ☐ No
Ten (10) feet from property lines? ☐ Yes ☐ No
Five (5) feet from any building opening? ☐ Yes ☐ No

c) Will heating fuel dispensers be located at least twenty (20) feet from gasoline dispensers?
☐ Yes ☐ No

Pumps/Dispensers (Continued)

d) Will each end of a dispenser island be protected with metal crash post barriers at least thirty (30) inches in height? ☐ Yes ☐ No

e) Shear valves are designed to be properly installed on pressurized piping runs? ☐ Yes ☐ No

f) Are the proposed pumps and dispensers UL listed? ☐ Yes ☐ No

g) Will an emergency shut-off device be provided more than twenty (20) feet, but less than one hundred (100) feet from the dispensing area? ☐ Yes ☐ No

h) Is all wiring designed to be installed in accordance with NFPA 70, the National Electrical Code? ☐ Yes ☐ No

i) Wiring shall be inspected by a certified electrical inspector? ☐ Yes ☐ No

5. Emergency and Stand-by Power Systems

a) Which type of fuel tank shall be utilized? ☐ Day Tank ☐ Enclosed Fuel Tank ☐ Main Fuel Tank ☐ Integral Fuel Tank in EPS Systems

b) Will the fuel tanks be used for supplying fuel for other equipment? ☐ Yes ☐ No
If yes, will the draw down level always guarantee the quantity necessary for the EPSS? ☐ Yes ☐ No

c) Will a low-fuel sensing switch be provided for the main fuel supply tank? ☐ Yes ☐ No

d) Will the solenoid valves used on the fuel line from the supply tank or day tank closest to the generator operate from battery voltage? ☐ Yes ☐ No

e) Which type of product line materials shall be utilized?
☐ Black Iron ☐ Approved flexible ☐ FRP ☐ Copper

f) Will a day tank on diesel systems be installed below the engine fuel return elevation?
☐ Yes ☐ No

g) Will the return line on the day tank be below the fuel return elevation? ☐ Yes ☐ No

h) Will the fuel oil return lines between the day tank and main fuel tank be properly sized for proper fuel flow and free of traps? ☐ Yes ☐ No

i) Will the fuel tanks inside buildings or on roof structures be restricted to 660 gallons diesel and 25 gallons gasoline? ☐ Yes ☐ No

j) Will a listed general sub-base secondary containment fuel tank of 660 gallon capacity and below be installed indoors or outdoors? ☐ Indoors ☐ Outdoors

6. Bulk Plants

a) Please indicate the distance from the load rack to nearest building, property line, and storage tanks:
_____ Feet to Building _____ Feet to Property Line _____ Feet to Storage Tanks

b) If the rack is a top loading type, will the final fuel control valve be of the self-closing type?
☐ Yes ☐ No

c) If the rack is a bottom load configuration, will an automatic overfill prevention system be provided?
☐ Yes ☐ No

d) In the load/unload area, will an emergency drainage system be provided that will direct leakage or spillage to a safe location? ☐ Yes ☐ No

Fee Schedule

Installation plan review fee of $100.00 for the first tank and $50.00 for each additional tank is required for this specialized review. Piping system plan review fee is $100.00 (piping system includes valves, fill pipes, vents, leak detection, spill and overfill prevention, cathodic protection or associated components.) **The applicable required fee shall accompany your application for permit. Failure to submit the applicable permitting fee will delay processing of application.** All checks and money orders shall be made payable to the *"Kentucky State Treasurer"*. The name and location of the project shall be indicated on checks or money orders.

I, the undersigned, do hereby agree that this installation shall comply with all applicable requirements of the Standards of Safety (815 KAR 10:060) and all other required standards. All answers given in this application are true and accurate to the best of my knowledge.

CONTRACTOR (SIGNATURE) DATE

Approval by the State Fire Marshal

For office use only

PROJECT NAME

IF THE NAME HAS CHANGED, WHAT WAS IT PREVIOUSLY CALLED

STREET ADDRESS

CITY

COUNTY

PERMIT NUMBER

This storage tank system was tested on _____ with satisfactory results.

The above listed permitted installation is found to have complied with the Kentucky Standards of Safety (815 KAR 10:060) and KRS Chapter 234.

Hazardous Materials Field Inspector

Date

Site Plan